

## **CLAIMS**

### **What is claimed is:**

1. A method of providing a translation within a voice stream comprising:  
receiving a speech signal in a first language;  
determining text from the speech signal;  
translating the text to a second and different language; and  
encoding the translated text within the speech signal.
2. The method of claim 1, further comprising transmitting the resulting speech signal.
3. The method of claim 1, said encoding step comprising including the translated text within the speech signal as digital information.
4. The method of claim 3, said encoding step comprising:  
removing inaudible portions of the speech signal; and  
embedding the translated text in place of the inaudible portions of the speech signal.
5. The method of claim 2, further comprising:  
receiving the speech signal specifying the translated text; and  
decoding the translated text.
6. The method of claim 5, further comprising presenting a representation of the translated text.
7. The method of claim 6, further comprising playing an audible representation of the received speech signal.

8. The method of claim 7, wherein the audible representation of the received speech signal is played substantially concurrently with the presentation of the translated text.
9. A system for providing a translation within a voice stream comprising:
  - means for receiving a speech signal in a first language;
  - means for determining text from the speech signal;
  - means for translating the textual representation to a second and different language; and
  - means for encoding the translated text within the speech signal.
10. The system of claim 9, further comprising means for transmitting the resulting speech signal.
11. The system of claim 9, said means for encoding comprising means for including the translated text within the speech signal as digital information.
12. The system of claim 11, said means for encoding comprising:
  - means for removing inaudible portions of the speech signal; and
  - means for embedding the translated text in place of the inaudible portions of the speech signal.
13. The system of claim 10, further comprising:
  - means for receiving the speech signal specifying the translated text; and
  - means for decoding the translated text.
14. The system of claim 13, further comprising means for presenting a representation of the translated text.
15. The system of claim 14, further comprising means for playing an audible representation of the received speech signal in the first language.

16. The system of claim 15, wherein the audible representation of the received speech signal is played substantially concurrently with the presentation of the translated text.

17. A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

- receiving a speech signal in a first language;
- determining text from the speech signal;
- translating the text to a second and different language; and
- encoding the translated text within the speech signal.

18. The machine readable storage of claim 17, further comprising transmitting the resulting speech signal.

19. The machine readable storage of claim 17, said encoding step comprising including the translated text within the speech signal as digital information.

20. The machine readable storage of claim 19, said encoding step comprising:  
removing inaudible portions of the speech signal; and  
embedding the translated text in place of the inaudible portions of the speech signal.

21. The machine readable storage of claim 18, further comprising:  
receiving the speech signal specifying the translated text; and  
decoding the translated text.

22. The machine readable storage of claim 21, further comprising presenting a representation of the translated text.

23. The machine readable storage of claim 22, further comprising playing an audible representation of the received speech signal.

24. The machine readable storage of claim 23, wherein the audible representation of the received speech signal is played substantially concurrently with the presentation of the translated text.